AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (original) A method of increasing optical integrated circuit yield per wafer, comprising:

providing a wafer comprising a plurality of non-rectangular shaped optical integrated circuits;

forming stop cracks in the wafer, each stop crack adjacent one of the non-rectangular shaped optical integrated circuits;

cutting the wafer in a curvilinear manner to yield a plurality of separated non-rectangular shaped optical integrated circuits.

- 2. (original) The method according to claim 1, wherein the stop cracks are curvilinear and positioned substantially parallel to the non-rectangular shaped optical integrated circuits.
- 3. (original) The method according to claim 1, wherein the stop cracks have a width of about 25 microns or more and about 0.25 mm or less.
- 4. (original) The method according to claim 1, wherein the stop cracks have a depth of at least about 10% of the thickness of the wafer.
- 5. (original) The method according to claim 1, wherein the stop cracks are formed using one selected from the group consisting of a saw, a milling machine, a laser, a water jet, and chemical etching.

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6. (original) The method according to claim 1, wherein the optical integrated circuit is a planar lightwave circuit.

- 7. (original) The method according to claim 1, wherein cutting is conducted by one selected from the group consisting of laser cutting and water jet cutting.
- 8. (original) A method of dicing a substrate comprising a plurality of non-rectangular shaped optical integrated circuits, comprising:

forming stop cracks in the wafer, each stop crack adjacent and substantially parallel one of the non-rectangular shaped optical integrated circuits; and cutting the substrate in a curvilinear manner substantially parallel to a stop crack.

- 9. (original) The method according to claim 8, wherein each non-rectangular shaped optical integrated circuit has two stop cracks adjacent and substantially parallel therewith.
- 10. (original) The method according to claim 8, wherein the stop cracks are formed using one selected from the group consisting of a saw, a milling machine, a laser, a water jet, and chemical etching.
- 11. (original) The method according to claim 8, wherein the stop crack has a width of about 10 microns or more and about 0.5 mm or less.
- 12. (original) The method according to claim 8, further comprising filling the stop crack with a dielectric material prior to cutting the substrate.
- 13. (original) The method according to claim 8, wherein the cutting is conducted by one selected from the group consisting of laser cutting and water jet cutting.

14.-20. (cancelled)

- 21. (original) An optical integrated circuit, comprising:
 - a substrate comprising two curvilinear longitudinal edges;
- a non-rectangular shaped active region comprising optical components;

and

- at least one stop crack positioned substantially parallel and proximate one of the curvilinear longitudinal edges.
- 22. (original) The optical integrated circuit according to claim 21, comprising two stop cracks, each stop crack positioned substantially parallel and proximate one of the curvilinear longitudinal edges.
- 23. (new) The optical integrated circuit according to claim 21, wherein the stop crack has a width of about 10 microns or more and about 0.5 mm or less.
- 24. (new) The optical integrated circuit according to claim 21, wherein the stop crack has a width of about 25 microns or more and about 0.25 mm or less.
- 25. (new) The optical integrated circuit according to claim 21, wherein the stop crack comprises a dielectric material.
- 26. (new) The optical integrated circuit according to claim 21, wherein the stop crack has a depth of at least about 10% of the thickness of the optical integrated circuit.
- 27. (new) The optical integrated circuit according to claim 22, wherein the stop cracks have a width of about 10 microns or more and about 0.5 mm or less.
 - 28. (new) The optical integrated circuit according to claim 22, wherein the stop

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cracks have a width of about 25 microns or more and about 0.25 mm or less.

29. (new) The optical integrated circuit according to claim 22, wherein the stop cracks comprise a dielectric material.